

ABSTRACT

A high speed video switch in a KVM system using discrete Radio Frequency (RF) switch circuits. The RF switch circuits are configured into a multiplexed circuit to route video signals from a selected host computer to a target monitor. Voltage converters are used to provide control signals of the proper voltage to the RF switch circuits. Peaking operational amplifiers are used to compensate for the roll-off effect caused by the video connectors. An On Screen Display (OSD) switch using the RF switches is used to rapidly switch between the OSD data and host computer video for display to the target operator control center monitor.